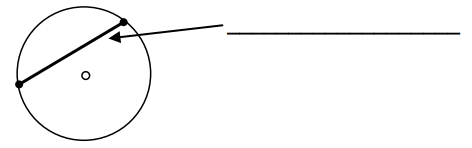
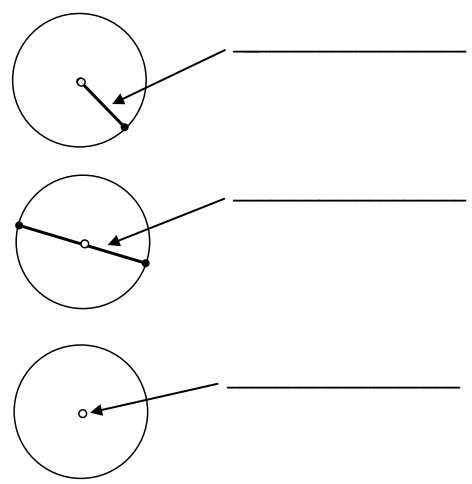
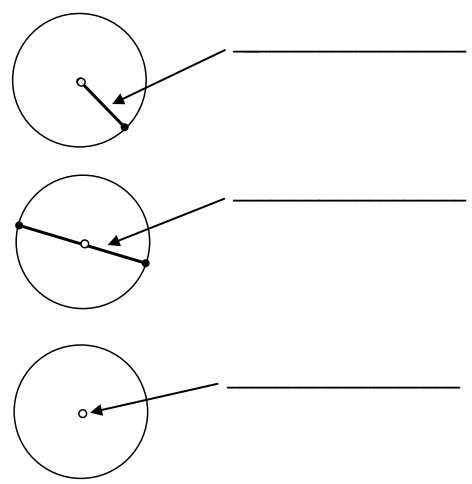
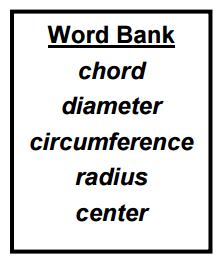
***COMPLETE IN NOTEBOOK!   
COPY ALL FIGURES!***  
**READ ALL DIRECTIONS! Failure to show** ALL WORK **and follow** all directions COMPLETELY **will result in LaSalle.**   
*Part A: Circle Parts*   
Directions: Copy the figres below into your notebook. Use the words in the word bank to label each picture or description. Words may be used more than once.

CW37/HW37: A&P of Circles

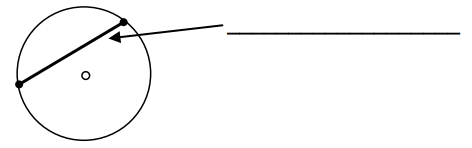
**Geometry**

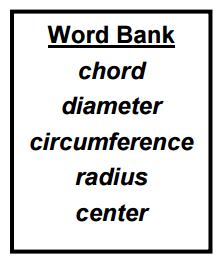
 ***FLIP 🡪***

***COMPLETE IN NOTEBOOK!   
COPY ALL FIGURES!***  
**READ ALL DIRECTIONS! Failure to show** ALL WORK **and follow** all directions COMPLETELY **will result in LaSalle.**   
*Part A: Circle Parts*   
Directions: Copy the figres below into your notebook. Use the words in the word bank to label each picture or description. Words may be used more than once.

CW37/HW37: A&P of Circles

**Geometry**

 ***FLIP 🡪***

5. Half as long as the diameter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. The distance around a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

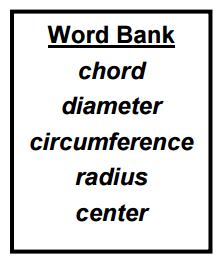
7. A line segment connecting any two points on a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. The line segment from the center of a circle to any point on the circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Twice as long as the radius: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. The perimeter of a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. A chord that passes through the center of a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Half as long as the diameter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. The distance around a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. A line segment connecting any two points on a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. The line segment from the center of a circle to any point on the circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Twice as long as the radius: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. The perimeter of a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

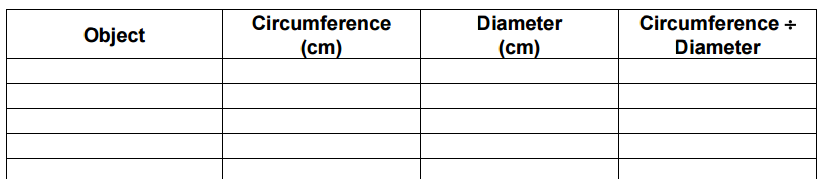
11. A chord that passes through the center of a circle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

CW37/HW37: A&P of Circles

**Geometry**

*Part B: Exploring Circles*   
  
**Part I**   
1. Create the following table in your notebook:



Carefully measure to the nearest tenth of a centimeter the circumference and diameter of several circular objects and fill in the first three columns of the table.

2. Use your calculator to divide each object’s circumference by its diameter and round to the nearest hundredth. Use the values to fill in the last column.

3. Find the mean data in the last column.

4. Write the symbol for pi, the numerical value of pi, and the definition of pi.

**Part II**

5. What is the formula for calculating the circumference, C, of a circle, if you know pi and the diameter, d?

6. What is the formula for calculating the circumference, C, of a circle, if you know pi and the radius, r?  
  
**Part III: Practice**

